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DATASHEET

Losartan Potassium

Product overview

Name	Losartan Potassium
Cat No	HB2977
Alternative names	DuP-753
Biological action	Antagonist
Purity	>98%
Description	Selective, non-peptide AT ₁ antagonist

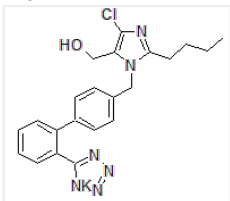
Biological Data

Biological description	Selective, non-peptide AT ₁ antagonist which inhibits classical actions of angiotensin II. Also down regulates TGF- β regulation. Shows anti-hypertensive action. Recently studied as part of COVID-19 compound repurposing.
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Solubility & Handling

Storage instructions	RT (desiccate)
Solubility overview	Soluble in water (100mM) and in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-methanol potassium salt
Molecular Weight	461
Chemical structure	
Molecular Formula	C ₂₂ H ₂₂ ClKN ₆ O
CAS Number	124750-99-8
PubChem identifier	11476710
SMILES	CCCCC1=NC(Cl)=C(CO)N1CC2=CC=C(C3=CC=CC=C3C(N=N4)=NN4[K])C=C2
InChi	InChI=1S/C22H22ClN6O.K/c1-2-3-8-20-24-21(23)19(14-30)29(20)13-15-9-11-16(12-10-15)17-6-4-5-7-18(17)22-25-27-28-26-22;/h4-7,9-12,30H,2-3,8,13-14H2,1H3;/q-1;+1
InChiKey	OXCMYAYHXIHQOA-UHFFFAOYSA-N
MDL number	MFCD02092704

References

Angiotensin receptor blockers as tentative SARS-CoV-2 therapeutics

Gurwitz (2020) Drug Dev Res. 1002/ddr.21656

PubMedID [32129518](#)

Long-term prehypertension treatment with losartan effectively prevents brain damage and stroke in stroke-prone spontaneously hypertensive rats

He et al (2019) Int J Mol Med. 33(2)

PubMedID [24337406](#)

The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma

Coulson et al (2017) Oncotarget 8(12)

PubMedID [28416734](#)
